

IN THE CLAIMS

Claims 1-9 (cancelled).

10. (Currently Amended) A concrete shell system, comprising concrete shell elements (1, 2) and turnbuckle devices (12; 13; 14; 20; 35a, 35b, 35c; 44a, 44b, 44c) ~~for clamping concrete shell elements (1, 2) having two claws (15a, 15b, 15c, 16a, 16b, 16c; 21, 22) and a wedge (17a, 17b, 17c; 23; 37a, 37b, 37c; 46a, 46b, 46c), the claws (15a, 15b, 15c, 16a, 16b, 16c; 21, 22) being displaceable toward one another in a clamping direction (34), the wedge (17a, 17b, 17c; 23; 37a, 37b, 37c; 46a, 46b, 46c) being guided in a clamping device along a wedge guiding direction (33), and the dimension of the propulsion of the wedge (17a, 17b, 17c; 23; 37a, 37b, 37c; 46a, 46b, 46c) in the turnbuckle device (12, 13, 14; 20; 35a, 35b, 35c; 44a, 44b, 44c) determining the displacement of the claws (15a, 15b, 15c, 16a, 16b, 16c; 21, 22),~~

the concrete shell elements (1, 2) each having multiple mounting positions, particularly struts, for the turnbuckle devices (12, 13, 14; 20; 35a, 35b, 35c; 44a, 44b, 44c),

the mounting positions being spaced apart at an interval A from one another in a direction perpendicular to the clamping direction (34) of the turnbuckle devices (12, 13, 14; 20; 35a, 35b, 35c; 44a, 44b, 44c) to be mounted on the mounting positions ~~and the turnbuckle devices (12, 13, 14; 20; 35a, 35b, 35c; 44a, 44b, 44c) are arrayed along a straight line, characterized in that the following relationship applies for the angle:~~

~~$$\alpha < 90^\circ - \arctan(B/A),$$~~

~~with B: greatest width of the wedge (17a, 17b, 17c; 23; 37a, 37b, 37c; 46a, 46b, 46c) measured transversely to the wedge guiding direction (33) and in the plane of wedge guiding direction (33) and clamping direction (34), wherein the wedges of the turnbuckle devices (12, 13, 14; 20; 35a, 35b, 35c; 44a, 44b, 44c) are positioned inclined toward the straight line in order to avoid collisions of wedges of neighboring turnbuckle devices (12, 13, 14; 20; 35a, 35b, 35c; 44a, 44b, 44c) as the wedges are advanced or driven out, and wherein the wedge guiding direction encloses an angle α' with a plane of the shell skins of the concrete shell elements (1, 2), the shell skins having in common, according to $0^\circ \leq \alpha' < 10^\circ$.~~

11. (New) The concrete shell system according to claim 10 wherein the wedge guiding direction (33) and the clamping direction (34) of a respective turnbuckle device (12, 13, 14; 20; 35a, 35b, 35c; 44a, 44b, 44c) enclose an angle α less than 90° .

12. (New) The concrete shell system according to claim 11 wherein the following relationship applies for the angle:

$$\alpha < 90^\circ - \arctan (B/A),$$

with B: greatest width of the wedge (17a, 17b, 17c; 23; 37a, 37b, 37c; 46a, 46b, 46c) measured transversely to the wedge guiding direction (33) and in the plane of wedge guiding direction (33) and clamping direction (34).

13. (New) The concrete shell system according to claim 11 wherein the angle α is between 40° and 85° , particularly approximately 70° .

14. (New) The concrete shell system according to claim 13 wherein the angle α is approximately 45° .

15. (New) The concrete shell system according to claim 11 wherein the following relationship applies for the angle α :

$$\alpha < 90^\circ - \arctan (B/L),$$

with L: length of the wedge (17a, 17b, 17c; 23; 37a, 37b, 37c; 46a, 46b, 46c) in the wedge direction (33),

with B: greatest width of the wedge (17a, 17b, 17c; 23; 37a, 37b, 37c; 46a, 46b, 46c) measured transversely to the wedge guiding direction (33) and in the plane of wedge guiding direction (33) and clamping direction (34).

16. (New) The concrete shell system according to claim 10 wherein the wedge (17a, 17b, 17c; 23; 37a, 37b, 37c; 46a, 46b, 46c) of a respective turnbuckle device (12, 13, 14; 20; 35a, 35b, 35c; 44a, 44b, 44c) is solely guided by one of the claws (22) of the respective turnbuckle device (12, 13, 14; 20; 35a, 35b, 35c; 44a, 44b, 44c).

17. (New) The concrete shell system to claim 10 wherein the wedge (17a, 17b, 17c; 23; 37a, 37b, 37c; 46a, 46b, 46c) of a respective turnbuckle device (12, 13, 14; 20; 35a,

35b, 35c; 44a, 44b, 44c) has at least one depression and/or protrusion, which runs diagonally to its wedge guiding direction (33), and at least one of the claws (15a, 15b, 15c; 21) of the respective turnbuckle devices (12, 13, 14; 20; 35a, 35b, 35c; 44a, 44b, 44c) has a profile which engages in the depression and/or protrusion of the wedge (17a, 17b, 17c; 23; 37a, 37b, 37c; 46a, 46b, 46c).

18. (New) The concrete shell system according to claim 10 wherein the wedge (17a, 17b, 17c; 23; 37a, 37b, 37c; 46a, 46b, 46c) of its respective turnbuckle device (12, 13, 14; 20; 35a, 35b, 35c; 44a, 44b, 44c) has a cross-section tapering along its wedge guiding direction (33).

19. (New) The concrete shell system according to claim 17 wherein the respective wedge (17a, 17b, 17c; 23; 37a, 37b, 37c; 46a, 46b, 46c) has a constant size along its wedge guiding direction (33).